

# FALCON SERIES 40d

## PRODUCT CONFIGURATION SHEET

### What is a Falcon Video Storage System?

Dynamic Network Factory's Falcon series small business appliances are ideal entry-level video management solutions. Each Falcon is an efficient, easy-to-deploy solution. With advanced data availability and performance, the Falcon allows security integrators to manage video content - not storage.

### Key Features:

- ▶ Up to 48TB Raw Storage Capacity in 2U Rackmount
- ▶ 4 Hot-Swappable SATA Drives
- ▶ Compatible with Leading Industry Video Management Software
- ▶ Open Hardware Platform
- ▶ Choice of 7th Gen Intel Core i3, Core i5, or Core i7 Processor
- ▶ Up to 64GB High Speed Video Cache (8GB Standard)
- ▶ Capable of Software RAID Levels 0 and 1
- ▶ Optional M.2 NVMe SSD(s) for OS (Single or Dual\*\* Mirror)
- ▶ Dual-Port 1Gb Copper Ethernet Connectivity
- ▶ Intel Z270 Video with 1xDisplayPort, and 1xHDMI
- ▶ High-Efficiency Power Supply
- ▶ 19" Rackmount Chassis with Mounting Rails

**CLIENT VIEWING, VIDEO STORAGE,  
& VIDEO RECORDING APPLIANCE**

**RAW CAPACITY: UP TO 48 TB**

**PROCESSING: CORE I3, I5 OR I7**

**VIDEO CACHE: 8GB TO 64GB**

### SYSTEM SPECIFICATIONS

Form Factor	2U Rackmount
# of Hot Swap Disks	4
Max Internal Capacity	48TB
RAID Levels	Software RAID 0 and 1
Hardware RAID Controller	Optional
RAID Cache Protection	Optional (For HW RAID Only)
Processors	Intel Core i3, i5 or i7 2 - 4 Cores
High Speed Video Cache	8GB - 64GB
Ethernet Ports	2 x 1 GbE
Power Supply	330W
USB Ports	4 x USB 3.0 / 2 x USB 2.0
Video Ports	1 x Display Port, 1 x HDMI
Audio Ports	7.1 HD Audio Jacks
Serial Ports	No
IPMI Management Port	No
Optical Drive	DVD+/-RW
Operating Temperature	5°C(41°F) - 35°C(95°F)
Non-Operating Temperature	-40°C(-40°F) - 60°C(140°F)
Dimensions	16.8"(W) x 25.6"(D) x 3.5"(H)



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Internal Capacities	Up To 48TB* SATA
RAID Controller	Standard: Software RAID Supporting Levels 0 and 1 Optional: 6Gbps SATA Hardware RAID Controller with 1GB Cache Supporting Levels 0, 1, 5, 6, 10
Network	2 x 1GbE RJ-45
Video	1xDisplay Port, 1xHDMI
Audio	7.1-Channel High Definition Audio
Operating System	Windows 10 Professional

\* Depending on RAID Configuration

\*\* See web site for limitations when utilizing dual M.2 NVMe devices

### OPTIONAL HARDWARE RAID FEATURES:

- ▶▶ Online Capacity Expansion
- ▶▶ Online RAID Level Migration
- ▶▶ Auto-Resume after Loss of Power During Rebuild
- ▶▶ Single Controller Multipathing
- ▶▶ Configurable Stripe Size up to 1MB
- ▶▶ Load Balancing
- ▶▶ Consistency Check for Background Data Integrity
- ▶▶ Patrol Read for Media Scanning and Repairing
- ▶▶ Global & Dedicated Hot Spare w/Automatic Rebuild
- ▶▶ Inband SES & Sideband SGPIO Enclosure Management
- ▶▶ S.M.A.R.T. Support
- ▶▶ Storage Management Utility



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